SIQURA®
SURVEILLANCE SOLUTIONS

Siqura FD810V1IR

High-Definition Fixed Dome IP Camera

Installation Manual

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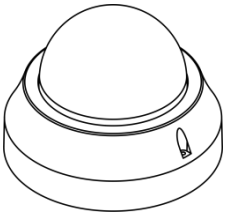
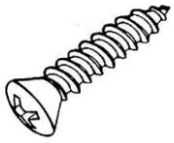
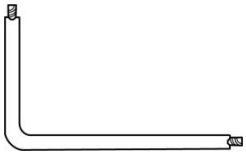
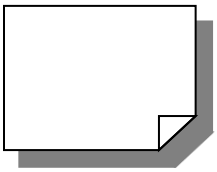
1. Overview

The Siqura FD810V1IR is an easy to set up camera with PoE support to reduce complicated cabling. Dual-stream compression (H.264 Baseline / Main / High Profile + MJPEG) is supported for efficient bandwidth and storage management. For dark environments, the camera has incorporated WDR, 3DNR and Day/Night ICR technologies to capture clear images in low-light conditions.

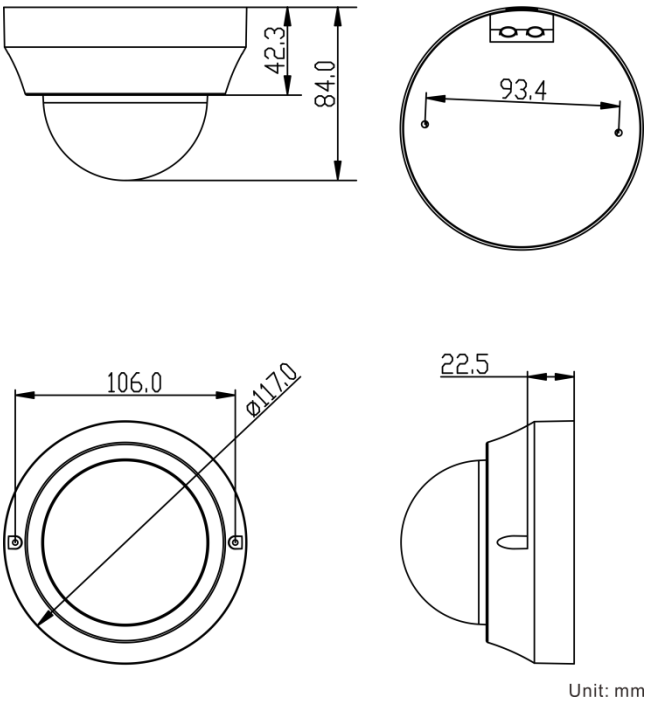
1.1 Features

- Progressive scan CMOS sensor
- 2 Mpixel resolution
- Multistreaming: full HD 1080p real-time + D1 real-time
- Dual-stream compression H.264 and MJPEG
- Multilanguage support
- Tampering alarm
- Wide dynamic range
- Motion detection
- Privacy masks
- Smart picture quality / 3D noise reduction
- Vertical view mode (image rotation by 90 degrees)
- Smart IR mode
- Network failure detection
- Day/Night (ICR)
- IR LED module (working distance up to 25 m)
- microSD support
- Weatherproof (IP66)
- ONVIF support

1.2 Package contents

 *FD810V1IR*	 *Bolt (1x)*
 *Self-tapping screw (x3)*	 *Plastic screw anchor (x3)*
 Rubber Washer (x2)	 *Security Torx*
 *Quick Start Guide*	 *Software and manuals*

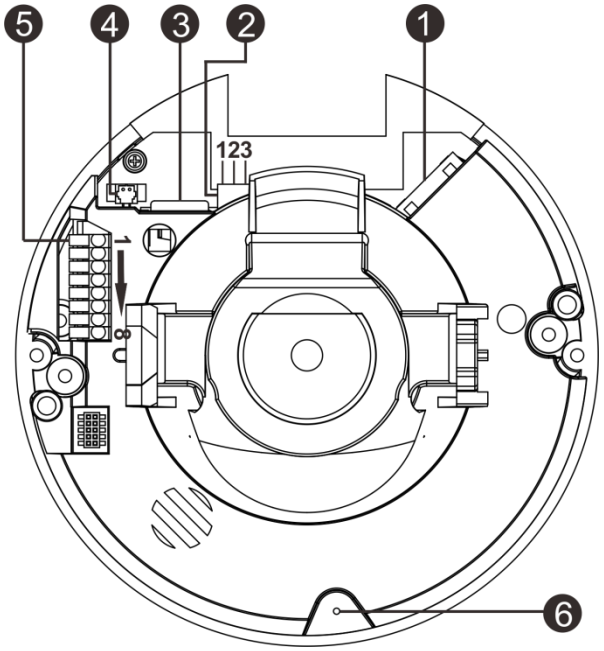
1.3 Dimensions



Unit: mm

1.4 microSD card slot / Default button

The positions of the microSD card slot and the default button are shown below.



No.	Connector	Definition
1	**RJ-45**	For network and PoE connection
2	N/A	-
3	**microSD Card Slot**	Insert a microSD card into the card slot to store videos and snapshots. Do not remove the microSD card when the camera is powered on.
4	N/A	-
5	N/A	-
6	**Default button**	Press the button with an appropriate tool for at least 20 seconds to restore the system to the factory-default settings.

NOTE: It is not recommended to record with the microSD card for 24/7 continuously, as it may not be able to support long term continuous data read/write operations. Contact the manufacturer of the microSD card for information regarding the reliability and the life expectancy.

2. Power/Ethernet connection

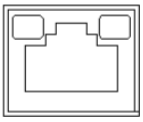
The FD810V1IR is powered by PoE (15 W).

2.1 Connect the Ethernet cable

Before you connect the Ethernet cable, make sure that the cable and the PoE switch are placed in dry and well-waterproofed environments, such as waterproof boxes. The purpose is to prevent moisture accumulation inside the camera and moisture penetration into cables, which might lead to camera breakdown.

For best transmission quality, cable length shall not exceed 100 metres. Connect one end of the Ethernet cable to the RJ-45 connector of the camera. Connect the other end of the cable to the PoE switch.

Check the status of the link indicator and the activity indicator LEDs. If the LEDs are unlit, check the LAN connection.



A green link light indicates a good network connection.
An orange activity light flashes for network activity indication.

2.2 Waterproof cable connectors

Follow the instruction below to waterproof the connector of the RJ-45 cable

Plug the Ethernet cable to the connector of the RJ-45 cable and coat the joint with silicone gel. Make sure there is no gap between the Ethernet cable and the connector; otherwise, the waterproof function cannot be guaranteed.

3. System requirements

To control the IP camera via a web browser, connect the camera to a PC over the network and meet the system requirements as described below.

Items	System Requirement
Personal computer	1. Intel® Pentium® M, 2.16 GHz or Intel® Core™2 Duo, 2.0 GHz 2. 2 GB RAM or more
Operating system	Windows 7 or higher
Web browser	Microsoft Internet Explorer 6.0 or later Firefox Chrome Safari
Network card	10Base-T (10 Mbps) or 100Base-TX (100 Mbps) operation
Viewer	ActiveX control plug-in for Microsoft IE

4. Access the camera

You can log on to the webpages of the FD810V1IR from a PC which is on the same subnet as the camera. You can open the login page directly from your web browser or use Siqura Device Manager to access the camera.

4.1 Connect via web browser

To connect to the camera via a web browser

1. Open the web browser.
2. Type the IP address of the FD810V1IR in the address bar, and then press ENTER.
   The factory-set IP address of the camera is in the 10.x.x.x range. You will find it printed on a sticker on the camera.
   If your network configuration is correct you are directed to the login page of the camera.

4.2 Connect via Siqura Device Manager

With Siqura Device Manager - a tool included on the supplied Siqura Product CD - you can locate, manage, and configure Siqura IP cameras and video encoders.

To connect to the camera via Siqura Device Manager

1. Start Siqura Device Manager
   The network is scanned.
   Detected devices appear in the List View pane.
2. Use the tabs in the *Tree View* pane to define the scope (subnet) of your search.
3. Click the column headings in the *List View* pane to sort devices by type, IP address, or name.
4. To connect to the webpages of the FD810V1IR, double-click its entry in the device list,
   - or -
   Right-click the entry, and then click **Open Web Page**.
   The login page of the camera is opened in your web browser.

4.3 Change network settings

With Siqura Device Manager, you can directly change the network settings of the FD810V1IR.

To assign a static IP address

1. Go to the list of detected devices, and then right-click the entry for the FD810V1IR .
2. Click **Change Network Settings**.
3. In C*hange Network Settings*, click **Static IP**.
4. Provide the camera with an appropriate IP address, netmask, and gateway address for the desired network configuration, and then click **OK**.
5. In the pop-up window indicating that you have successfully changed the settings, click **OK**.
6. Wait one minute, and then rescan the network.
7. To access the webpages of the camera, double-click its entry in the list of found devices.

To assign a DHCP server

1. Go to the list of detected devices, and then right-click the entry for the FD810V1IR .
2. Click **Change Network Settings**.
3. In C*hange Network Settings*, click **Enable DHCP**, and then click **OK**.
4. In the pop-up window indicating that you have successfully changed the settings, click **OK**.
5. Wait one minute, and then rescan the network.
6. To access the webpages of the camera, double-click its entry in the list of found devices.

Note: A DHCP server must be installed on the network in order to provide DHCP network support.

4.4 Log on to the camera

Users with a valid account for the FD810V1IR can log on to the camera.

To log on

1. In the *Authentication* box, log on with the account that was created for you. User name and password are case sensitive.
   The default user name set at the factory for the FD810V1IR is "Admin" with password "1234".
2. Click **Log In**.

Note: To prevent unauthorised access from people using the default account, we recommend that the administrator changes the default password after first login and creates separate user accounts as needed.

4.5 Siqura Viewer

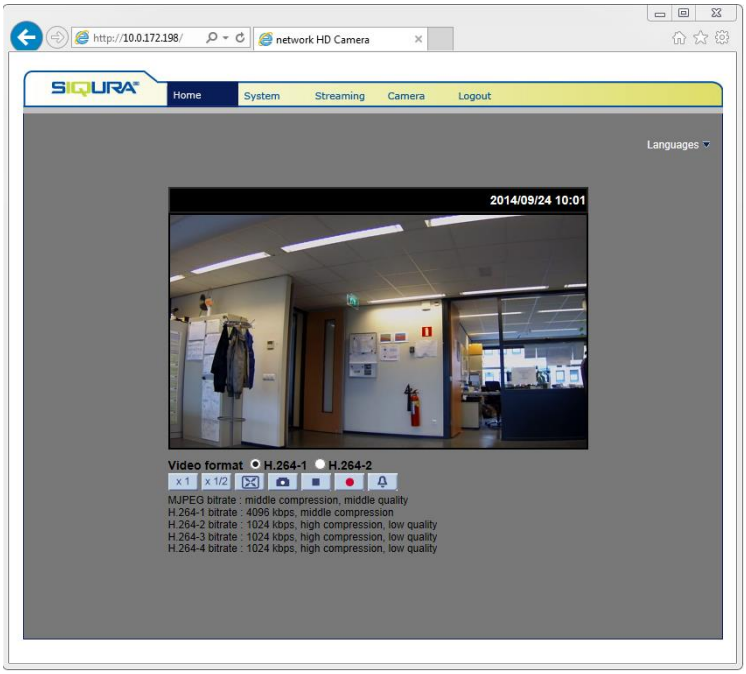
For the initial access to the camera, a client program, Siqura Viewer, is automatically installed to the PC when connecting to the camera.

If the web browser doesn’t allow Siqura Viewer installation, check the Internet security settings or ActiveX controls and plug-ins settings (see section *Set up Internet Security*) to continue the process.

An information bar may pop up and ask for permission to install the ActiveX control for displaying video in browser. Click <Install> to allow the installation. Then a security warning window pops up. Click <Yes> to install the software. Click <Finish> after the Siqura Viewer installation has completed.

4.6 Home page

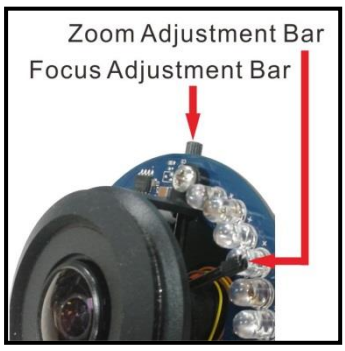
Once Siqura Viewer is successfully installed, the home page of the IP camera is displayed as in the figure below. Note that function buttons will vary depending on the camera model.



For a description of the FD810V1IR webpages, see the User Manual on the supplied Siqura Product CD (download the latest version at www.siqura.com).

Zoom and focus adjustment

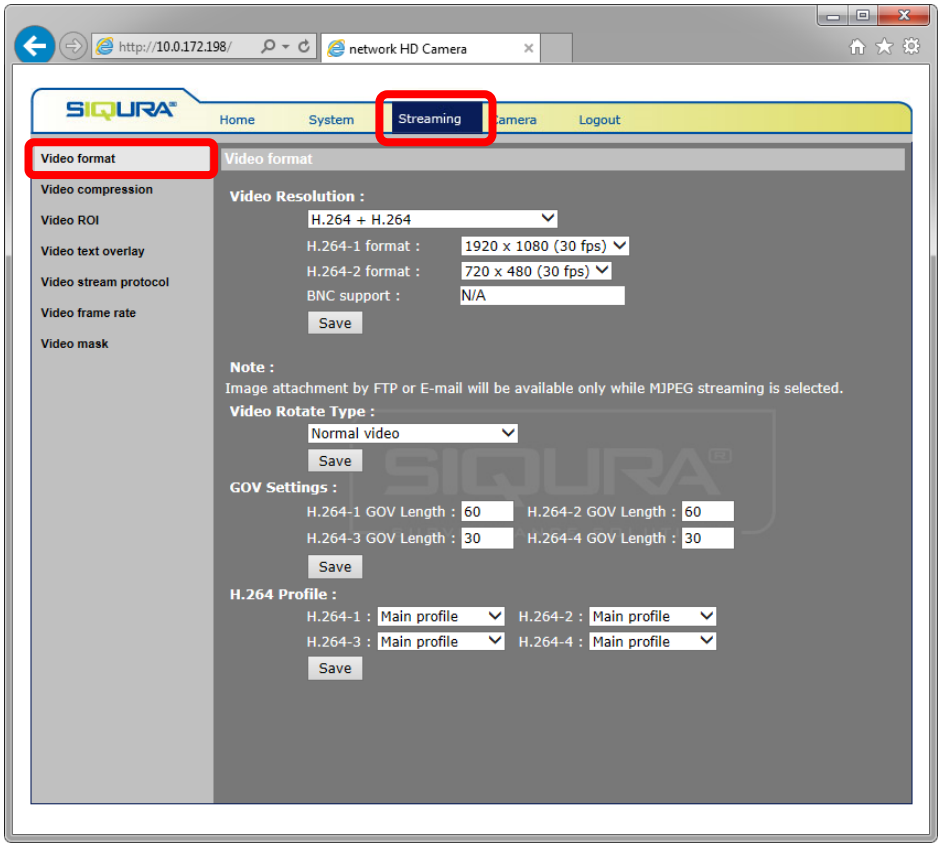
Zoom and focus can be adjusted by the adjustment bars on the camera lens inside the dome cover. To adjust zoom and focus, detach the dome cover first. Use the supplied security torx to loosen the two security screws of the camera. Detach the dome cover. Then move the zoom adjustment lever and the focus adjustment lever (positions shown in the following figure) to adjust zoom and focus.



5. Set up video resolution

Users can set up the video resolution on the Video Format page of the browser-based configuration interface.

Video Format can be found under this path: **Streaming> Video Format**.



The default values of video resolution are as below.

2M	H.264- 1920 x 1080 (13/15 fps) + H.264- 720 x 480 (13/15 fps)
2M Real-time	H.264- 1920 x 1080 (25/30 fps) + H.264- 720 x 480 (25/30 fps)

For more details about the combinations of video resolution, see the User Manual.

6. Export/Import configuration files

To export/import configuration files, users can access the Maintenance page on the browser-based configuration interface.

The Maintenance settings can be found under this path: **System> Maintenance**.

Users can export configuration files to a specified location and retrieve data by uploading an existing configuration file to the IP camera. It is especially convenient to make multiple cameras have the same configuration.

Export

Users can save the system settings by exporting the configuration file (.bin) to a specified location for future use. Click the <Export> button, and the pop-up File Download window is displayed. Click <Save> and specify a desired location for saving the configuration file.

Upload

To upload a configuration file to the IP camera, click <Browse> to select the configuration file, and then click the <Upload> button for uploading.

7. Tech support information

This chapter explains how to delete a previously installed Siqura Viewer from the PC and how to set up the Internet security.

Note: For the technical specifications of the camera, refer to the FD810V1IR datasheet.

7.1 Delete the existing Siqura Viewer

Viewing camera images in the FD810V1IR webpages requires Siqura Viewer software. You are strongly advised to remove a previous installation of Siqura Viewer from your computer before initial access to the camera over the network or when you encounter an "A new version is available" message.

To uninstall Siqura Viewer

1. On the Windows **Start Menu**, click **Control Panel**.
2. Click **Programs and Features**.
3. On the installed programs list, select **Siqura Viewer**.
4. Click **Uninstall**.

Deleting the files in your Temporary Internet Files folder may improve your web browser performance.

To delete the Temporary Internet files

1. Open your web browser.
2. On the **Tools** menu, select **Internet Options**.
3. In the *Browsing history* section of the *General* tab, click **Delete**.
4. Select **Temporary Internet files**, and then click **Delete**.

7.2 Set up Internet Security

If ActiveX control (Siqura Viewer) installation is blocked, set the Internet security level to default or change the ActiveX controls and plug-ins settings.

To set the Internet Security level to default

1. Start Internet Explorer (IE).
2. On the **Tools** menu, select **Internet Options**.
3. Click the **Security** tab, and then select the (logo of the) **Internet** zone.
4. Under *Security level for this zone*, click the **Default Level** button.
5. Click **OK** to confirm the setting.
6. Close the browser window, and start a new session later to access the camera.

To modify ActiveX Controls and Plug-ins settings

1. Start Internet Explorer (IE).
2. On the **Tools** menu, select **Internet Options**.
3. Click the **Security** tab, and then select the (logo of the) **Internet** zone.
4. Under *Security level for this zone*, click the **Custom Level** button.
   The Security Settings - Internet Zone dialog box displays.
5. Under *ActiveX controls and plug-ins*, set all items listed below to **Enable** or **Prompt**.
   - Note that items may vary from one IE version to another.
   - Allow previously unused ActiveX controls to run without prompt.
   - Allow Scriptlets.
   - Automatic prompting for ActiveX controls.
   - Binary and script behaviors.
   - Display video and animation on a webpage that does not use external media player.
   - Download signed ActiveX controls.
   - Download unsigned ActiveX controls.
   - Initialize and script ActiveX controls not marked as safe for scripting.
   - Run ActiveX controls and plug-ins.
   - Script ActiveX controls marked safe for scripting.
6. Click **OK** to accept the settings and close the *Security Settings* box.
7. Click **OK** to close the Internet Options dialog box.
8. Close the browser window, and start a new session later to access the camera.

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